



FRIENDS OF AGRICULTURAL RESEARCH-BELTSVILLE, Inc.

P.O. Box 1061

Beltsville, Maryland 20704-1061

The FAR-B Board of Directors met on January 12, 1993 in Room 238, Bldg. 003. Those in attendances were: Al Piringer, Frank Longen, Pat Jackson, John Moseman, Bill Bailey, Steve Berberich, Judy St. John and Ginger Hupfer. Guests at the meeting included F. Christian Thompson, Dug Miller, and Bob Lumsden.

The meeting was called to order at 1:05 by President Al Piringer. The minutes were approved as distributed.

PRESIDENT'S REPORT - AL PIRINGER

- Al read a postcard from Dr. Irving from Florida.
- There are calls for reorganization of the Dept. of Agriculture from the transition team. Notices read Agriculture is too commodity oriented; should be more biotechnology oriented.

AREA OFFICE REPORT - DR. JUDY ST. JOHN

- We have the new Director of the Beltsville Human Nutrition Research Center; Dr. Joseph Spence.
- The position for Director of the Arboretum has been reannounced as of last Monday. We are anticipating filling that position by spring.
- The new Secretary of Agriculture is Mike Espee from Mississippi.

SYMPOSIUM XVIII REPORT - DR. ROBERT LUMSDEN

The program is complete and the second brochure is now in print. The next Symposium meeting will be January 29. Our next big concern is getting in papers for review. There will be two reviewers for each paper. The American Chemical Society will publish it as a proceedings publication. We hope to have it by October. It will be a maximum 450 page publication. It will be identified as part of the Beltsville Symposium Series, #XVIII. The list of nominees for the FAR-B Outstanding Scientist Award should be complete by the 1/29/93 meeting. With the cooperation of the Beltsville Post Office, Bill Wergin has volunteered to set up a temporary Post Office Station to sell canceled commemorative envelopes and Agricultural related stamps contributed by Dr. Wergin. The proceedings from that will go to FAR-B.

Frank Longen added that as a result of our solicitation of industry, to date we've taken in \$9,500.

TREASURER'S REPORT - FRANK LONGEN

General Account:

Balance as of Nov. 10, 1992

\$14,051.70

OLD BUSINESS

Al Piringer introduced the topic of the proposal of the Systematic Entomology Lab to have FAR-B maintain a long-range fund for them, and turned the discussion over to Frank Longen. Frank said that the report from the Administrative Management, Tim Clark's office, was that while there was no legal or ethical impediments to doing this, the original proposal was modified to the extent that a committee of SEL members would make recommendations as far as expenditures are concerned, but the final decision would be left up to FAR-B. Chris Thompson distributed a memo containing the appropriate modifications. Frank said that what was involved would be to set up an account similar to the Symposium account (recognized as the SEL Fund) and would be used exclusively for whatever purposes came out of the recommendation of the Committee set up to make recommendations to FAR-B. The pros and cons were discussed even the possibility that sometime in the future something could happen to all of the FAR-B accounts, i.e. turn the funds over to ARS or to some succeeding organization would have to take over. Chris Thompson elaborated on the contents of the letter he had previously distributed. He spoke briefly on the Wilson Fund Committee handled by the Smithsonian Institute. Dug Miller mentioned that this could be a potential benefit to FAR-B, in that if there was a special fund of special interest to the Systematic Entomology Laboratory, retirees from the SEL might take a greater interest in FAR-B. Frank mentioned that in his report to the IRS, the various FAR-B accounts would be lumped together, and that the accounting would be maintained in our own bookkeeping system. There would also be separate checking accounts. There was discussion that the committee of members to make recommendations on expenditures would not exclusively be made up of SEL. Frank suggested that he could set up the account and work out the details of the Advisory Committee as we go along. John Moseman moved that we set up the account. Bill Bailey seconded the motion. It was carried.

NEW BUSINESS

Al Piringer brought up the subject of a speaker for the Annual Meeting March, 9. Since our usual speaker, Dr. Essex Finney, Jr. is no longer at Beltsville, Dr. Murrell was suggested. Dr. St. John checked Dr. Murrell's calendar and said he was firm to be our speaker. Dr. Piringer said he would write him a letter telling him he's been selected to speak at the meeting.

The subject of elections was brought up. The annual election to fill expiring terms of members of FAR-B Board will be held at the Annual Meeting. Bill Bailey has agreed to be chairman of the nominating committee. Treasurer, Frank Longen, is the only officer who has served two successive terms and is ineligible to serve another as treasurer. However, Frank has agreed to become Vice President, if Bill Bailey will become treasurer. Frank Longen reminded us that we'll have to get a newsletter out before then reminding members of the Annual Meeting. Bill Bailey's Committee

will have the Officer slate in time for the Newsletter.

ROUND ROBIN

Frank read a declination letter from Boehinger Mannheim, indicating that due to the volume of solicitation letters they receive, they have chosen to offer various other means of support to researchers and other organizations at no charge; i.e. biochemicals for workshops, technical seminars and technical assistance for workshops. He passed the letter to Judy St. John.

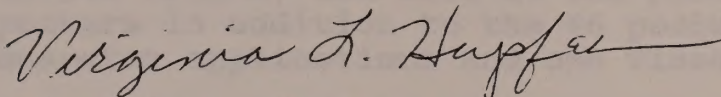
Dr. St. John said that we are proceeding with the new Plant Sciences Building, and the bids for the construction were within budget. We are anticipating having a groundbreaking ceremony for the new building in early spring.

John Moseman inquired about the status of the FAR-B brochure. Steve Berberich said that George Hollis had call him and said it was ready, except for the pictures. Steve will take him to the photo library as soon as he gets back.

Steve Berberich said NVC is putting together a cataloged video library. They would like to turn the Lincoln Room into an exhibit on the Hall of Fame. With the connections the Hall of Fame inductees have with the industries they have worked with, perhaps there could be a fund from industries to help pay for this.

There being no further business for the good of FAR-B, the meeting adjourned at 2:10 p.m.

Respectfully Submitted



Virginia L. Hupfer
Executive Secretary

* * * * * Next Meeting * * * * *

NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, February 9, 1993, 1:00 p.m., Room 238, Building 003.

Ginger Hupfer

The April Meeting of the Friends of Agricultural Research-Beltsville, Inc., was held in Building 003, Conference Room 238. Those in attendance were: J. B. St. John, F. Longen, G. Irving, A. Piringer, A. Hanson, P. Moe, M. Beroza, J. Vaughn, B. Leonhardt, J. Moseman, P. Jackson, K. D. Murrell.

The meeting was called to order at 1 p.m.

John Moseman commented on Ginger Hupfer's medical condition. She has been to a doctor at Johns Hopkins and has had reactions to medication. We are not sure when she will be back. As a result, we do not have minutes for the February or March meetings or the Annual Meeting also held in March.

A newsletter will not be sent out until after the symposium; late May or sometime in June.

Barbara Leonhardt reported on the status of the BARC Symposium registration (see enclosed handout). There are at least 20 non-Beltsville people who have signed up to present a poster but they have not registered. Beltsville registration is expected to be very high--at least 70-80 people. There are a number of Europeans registering.

Jim Vaughn brought samples of the covers for the abstract booklet. The mailroom is doing the reproduction and binding. A handout which will be part of the registration packet was distributed re. registration, stamp exhibitors, sponsors, agenda, etc. There will be posters listing the various sponsors at the coffee breaks, and also at the poster session. There are 74 posters in addition to the 46 podium presentations; also four computer applications and one video.

A discussion was held re. invitations to politicians to the banquet. It was decided not to invite them to the banquet this year although invitations have been sent out to Hoyer, Mikulski, and Sarbanes to attend the symposium. Symposium invitations have also been issued to Secretary Espy and Deputy Secretary Designate Rominger.

Dr. Murrell commented on Congressman Richard Durbin's visit to BARC. Congressman Durbin will speak on "Budget Issues Affecting Future Agricultural Research" on April 19, 1:30 p.m., in the Auditorium of Building 003. This is an OPEDA-sponsored program. Congressman Durbin is replacing Jamie Whitten as Agriculture Subcommittee Chairman. We will be taking Congressman Durbin on a tour to show him some of the biotechnology at BARC immediately after his seminar.

Dr. St. John reported on the upcoming groundbreaking ceremony for the new Plant Sciences Building to be held on April 26 beginning at 2 p.m. with refreshments followed by a short ceremony in the Auditorium. Steny Hoyer and other Maryland politicians will be here with a good possibility that Secretary Espy will attend. Construction is to begin in 2 weeks with occupancy scheduled for December 1994.

George Irving discussed the FAR-B Distinguished Scientist Award presentation to be made at the Symposium following the welcoming address. Because of the complexity of the Symposium subject, three awardees have been chosen: M. Beroza, W. Klassen and G. Papavizas.

Paul Moe discussed the 1994 Symposium XIX -- Advances in Human Energy Metabolism. The program is pretty well set, and there seems to be a high level of interest. Dr. Murrell told the Committee that a decision has been made to hold Symposium XIX at BARC rather than outside the Center as was previously proposed. There will be buses and vans provided to solve any transportation problems. In view of the subject matter of Symposium XIX, does the awardee: (1) have to be an alumnus of ARS and (2) have to be a retired individual? It was agreed that the person should be an alumnus of ARS, but not necessarily have to be a retired individual. A suggestion was made by Dr. Irving that ground rules be written down for posterity.

Organizations need to be identified as potential contributors for the next symposium. In the past, letters were sent out on FAR-B letterhead soliciting contributions. Symposium XVIII has been the highest as far as contributions are concerned.

Dr. Moe discussed the W. O. Atwater Symposium which is a celebration of the 100th Anniversary of Nutrition Research. It will be held on June 2-4, at the Techworld Ramada Renaissance Hotel downtown. Arrangements will be made for a bus to bring visitors out to tour BARC on Friday, June 4.

Director's Report:

Dr. Murrell discussed the filling of USDA leadership positions. The Assistant Secretary position is one of the last to be filled. Dr. Plowman is Acting Assistant Secretary for S&E and Dr. Finney is Acting ARS Administrator. Secretary Espy has a big interest in food safety. Hopefully this will help ARS because of our research support to FSIS.

Number Registered

Dr. Murrell also discussed how the reduction in federal employment has had a real effect on BARC. It has reduced the number of FTE's that we are allowed to have, and we are struggling to get down. If you compare what we proposed in the FY 93 ARMPS last fall to what is authorized for this October, there will be a reduction of about 140 positions here at Beltsville. We are trying to do this without impacting the base program very hard. One area where we can save FTE's is by transferring some of our temporary help to an RSA with the University of Maryland. There is an effort underway to get the post doc program exempted from the count. The Agency has sent a proposal forward, but rumor has it that OPM will be taking away all exemptions. It looks like we will have a rough time this next year getting the job done the way we've been doing it.

Dr. Piringer asked Dr. St. John to discuss the impending change at the Arboretum. The Florist and Nursery Crops Laboratory, PSI, will be combined with the Research Unit at the Arboretum, but will physically stay in place and eventually be housed in the new Plant Sciences Building.

Treasurer's Report

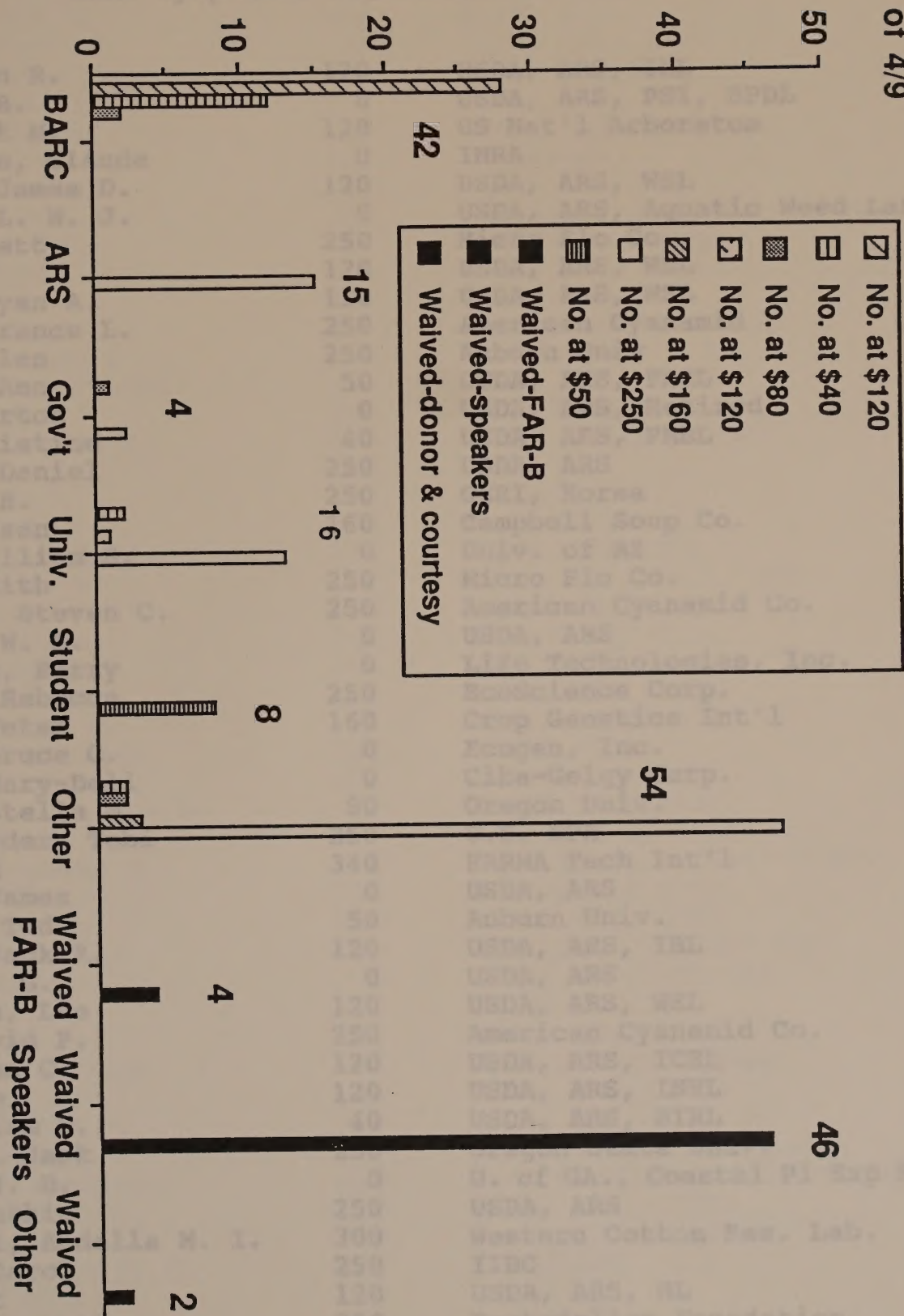
Bill Bailey will take over as treasurer in May. Mr. Longen will still be writing checks through the dates of the symposium. The FAR-B books have been audited by Ernie Norris. The balance of the general account is \$15,140, and the balance of the Conference/Symposia Account is \$45,110.79. A copy of Treasurer's Report is enclosed.

Mr. Longen reported on membership. Out of 114 members, 53 have renewed their membership. We have taken in no new members. An article making a membership pitch will be put in "Bits of BARC." Dr. Murrell will also include this article in the BA newsletter "Under the Clocktower." We have had very few retirements recently but an effort will be made to get information on new retirees to Mr. Longen or Dr. Moseman.

The next FAR-B meeting will be May 11.

As of 4/9

Number Registered



BARC Symposium Registration, 4/12/93

Adams, Jean R.	120	USDA, ARS, IBL
Adams, P. B.	0	USDA, ARS, PSI, BPDF
Aker, Scott M.	120	US Nat'l Arboretum
Alabouvette, Claude	0	INRA
Anderson, James D.	120	USDA, ARS, WSL
Anderson, L. W. J.	0	USDA, ARS, Aquatic Weed Lab
Atkins, Rhett	250	Micro Flo Co.
Avni, Adi	120	USDA, ARS, WSL
Bailey, Bryan A.	120	USDA, ARS, WSL
Baker, Terrance L.	250	American Cyanamid
Bauske, Ellen	250	Auburn Univ
Bentz, Jo-Ann	50	USDA, ARS, FNCL
Beroza, Morton	0	USDA, ARS, Retired
Berry, Christine	40	USDA, ARS, PMBL
Blumberg, Daniel	250	USDA, ARS
Bok, Song H.	250	GERI, Korea
Bolkan, Hasan	160	Campbell Soup Co.
Bowers, William S.	0	Univ. of AZ
Branly, Keith	250	Micro Flo Co.
Broscious, Steven C.	250	American Cyanamid Co.
Bruckart, W. L.	0	USDA, ARS
Buchbinder, Barry	0	Life Technologies, Inc.
Buerkett, Rebecca	250	EcoScience Corp.
Carlson, Peter	160	Crop Genetics Int'l
Carlton, Bruce C.	0	Ecogen, Inc.
Chilton, Mary-Dell	0	Ciba-Geigy Corp.
Coakley, Stella M.	80	Oregon Univ.
Colvin-Snyder, Tobi	250	U.S. EPA
Cook, John	340	FARMA Tech Int'l
Cook, R. James	0	USDA, ARS
Cottrell, Ted	50	Auburn Univ.
Coulson, Jack R.	120	USDA, ARS, IBL
Cutler, H. G.	0	USDA, ARS
Darlington, Lee	120	USDA, ARS, WSL
Davis, David P.	250	American Cyanamid Co.
Davis, John C.	120	USDA, ARS, ICEL
Davis, Tam	120	USDA, ARS, INHL
Day, William H.	40	USDA, ARS, BIRL
DeAngelis, Jack	250	Oregon State Univ.
Dutcher, J. D.	0	U. of GA., Coastal Pl Exp Sta
Eayre, Cynthia	250	USDA, ARS
El-Beltagi, Abdalla M. I.	300	Western Cotton Res. Lab.
Ellison, Carol	250	IIBC
Endo, Burt	120	USDA, ARS, NL
Evans, Elizabeth	250	Rockefeller Foundation
Evans, Harry	250	IIBC
Fahey, Jed W.	250	Crop Genetics Intern'l
Farrow, Jeffrey	40	Crop Genetics Inter'l

Feldlaufer, Mark	120	USDA, ARS, INHL
Fenton, Mary C.	120	USDA, ARS, IBL
Ferkovich, Stephen M.	250	USDA, ARS
Fischhoff, David A.	0	Monsanto Co.
Ford, Richard E.	250	Univ. IL
Fuester, Roger W.	40	USDA, ARS, BIIR
Gaggero, James M.	250	Micro Flo Co.
Gasparich, Gail E.	120	USDA, ARS, IBL
Gercheva, Petya	40	USDA, ARS, PMBL
Goettel, Mark	250	AG Canada
González, Daniel	40	Univ. Calif.
Griffiths, Don	250	Bunting, Biol Cntrl LTD.
Gunner, Haim B.	250	EcoScience Corp.
Hackett, Kevin	120	USDA, ARS, IBL
Hagley, Elmer	250	Ag Canada
Haley, Kevin P.	250	College of St. Mary
Hamilton, Bruce K.	250	W. R. Grace & Co.
Hammerschlag, Freddi	40	USDA, ARS, PMBL
Hargett, Lou	250	SANDOZ Agro, Inc.
Harrison, Bronda F.	250	USDA, CSRS, NRICGP
Harvey, Jo	250	IIBC
Hayes, Chris	250	Cornell Univ.
Heller, Paul	250	Penn State
Helling, Charles S.	120	USDA, ARS, WSL
Hill, Dolores E.	40	USDA, ARS, LPSI, BPL
Hodges, Greg	50	Auburn Univ.
Holmes, Kathryn	250	Ciba-Geigy Corp
Howard, Ralph W.	250	USDA, ARS
Hoynes, Christine	40	USDA, ARS, BPDF
Huettel, Robin N.	250	USDA, APHIS, PPQ
Humber A., Richard	250	USDA, ARS
Hutchinson, Bruce	250	Insect Biotech
Irving, Jr., George W.	0	FAR-B (retired)
Iverson, Rick	250	American Cyanamid Co.
Johnson, Donovan E.	250	U.S. Grain Marketing Res.
Kane, Jeff	250	EcoScience Corp.
Kingan, Timothy	120	USDA, ARS, INHL
Kirkland, Kenneth	250	American Cyanamid Co.
Klassen, Waldy	0	Joint FAO/IAEA Div
Ko, Mann P.	250	U. of Hawaii
Krysan, Jim	120	USDA, ARS, NPS
Lazarovits, George	250	Agriculture Canada
Lewis, Jack A.	40	USDA, ARS, BPDF
Liewehr, David J.	50	U. of MD.
Liu, Z. Lewis	250	Formosa Plastics Corp.
Lufburrow, Patricia	250	Novo Nordisk Entotech, Inc.
Lusby, William R.	40	USDA, ARS, INHL
Marks, Frank	250	Agriculture Canada
Martin, Phyllis A. W.	120	USDA, ARS
McCarthy, John	0	NACA
McElroy, Fred D.	250	Peninsu-Lab
Menn, Julius J.	120	USDA, ARS, PSI

Michael, Alan H.	250	Penn State Univ
Miller, David W.	250	EcoScience Corp.
Moar, William	120	Auburn Univ
Neal, Jr., John W.	120	USDA, ARS, FNCL
Neck, Steve	250	USDA, ARS, SARL
Nickle, Bill	120	USDA, ARS, NL
Oliver, Jason	50	Auburn Univ
Olthof, Theo	160	Ag Canada
Orion, Daniel	210	USDA, ARS, EM
Osburn, Rob	250	Lipha Tech
Owens, Elizabeth D.	0	ISK Biotech Corp.
Owens, Lowell	120	USDA, ARS, PMBL
Panetta, Joe	40	Mycogen, Corp.
Papavizas, George C.	0	USDA, ARS, Retired
Pfeil, Richard M.	80	USDA, ARS
Piringer, Albert	0	USDA, ARS, FARB
Potter, John	160	Ag Canada
Poushinsky, Greg	250	Ag Canada
Purcell, Mary	250	USDA, ARS
Pye, Jr., Albert E.	80	BioLogic Co.
Quimby, Chuck	250	USDA, ARS, RWL
Reach, Mark	80	Crop Genetics Int'l
Rehner, Stephen A.	120	USDA, ARS, SBML
Reinert, Bill	160	Campbell Soup Co.
Ridgway, Richard L.	120	USDA, ARS, IBL
Rodgers, Paul	250	Agriculture Genetics Co., ltd.
Rumsey, Theron S.	120	USDA, ARS, RNL
Samuels, Gary J.	80	USDA, ARS, SBML
Sands, Dave	250	Montana State Univ.
Sayre, Richard M.	80	USDA, ARS, NL
Schwarz, Michael R.	250	Miles, Inc.
Sindermann, Anne Bird	40	Md Dept. of AG
Slininger, Pat	250	USDA, ARS, NCAUR
Smith, Stew	250	Lipha Tech
Socha, Nancy	250	DowElanco
Sosa, Jr., Omelio	250	USDA, ARS
St. John, Judith B.	120	USDA, ARS, PSI
Staines, Charlie	80	Md Dept. of AG
Stanway, Andrew	250	Microbial Developments LTD
Stetter, Joerg	250	Bayer AG
Stoner, Martin F.	250	Cal Poly Univ.
Stranathan, M.	50	Towson State Univ.
Straney, David C.	250	U. of Md.
Svoboda, Jim	120	USDA, ARS, INHL
Taylor, Mark E.	250	EcoScience Corp
Thomashow, Linda S.	250	USDA, ARS, WSU
Thomson, Don	250	Pacific Biocontrol
Tran, Tien	250	Monsanto, GG3D
Waiss, Tony	250	USDA, ARS, WRRC
Watkinson, Ian	250	Gowan Co.
Whitehead, M. Ann	120	USDA, ARS, NPS
Wilhite, Stephen E.	50	U. of MD

Wilson, Mark	250	U. of CA., Berkeley
Wilson, Willie J.	250	ROHM & HAAS CO
Wiseman, Billy R.	40	USDA, ARS, IBPMRL
Wozniak, Chris A.	250	USDA, ARS
Yao, Changbin	50	Auburn Univ
	24,650.00	

Symposiums: Auditorium, Belleville Agricultural Research Center (BARC)
 Building 603, BARC-West (Belleville Blvd.), Belleville, Maryland 20705
 Registration, Post Office, Stamp Exhibit, and
 Slide Preview Area: Room 25, Bldg. 603

Registration

Sunday, May 2, 5:00 - 8:00 PM (Holiday Inn, Grand Ballroom)
 Monday, Tuesday, and Wednesday, May 3-5, 7:30 AM - 5:00 PM (BARC, Bldg. 603)
 Thursday, May 6, 7:30 - 9:00 AM (BARC, Bldg. 603)

Stamp Exhibitors

The organizers of the Symposium express their sincere appreciation to the following
 scientists for sharing their personal collection of agriculture-related stamps with the
 symposium participants.

Reinold F. Korsch Allen A. Penger Adolf K. Rame William P. Wurdt

Post Office

A BARC Symposium sub-station of the Belleville Post Office will be in room 25, Bldg.
 603 on Tuesday and Wednesday, May 4 & 5. A special postal cancellation will be available.
 The proceeds from the sale of commemorative envelopes will go to PAR-B.

Sponsors of the Symposium

The organizers of the Symposium thank the following sponsors of the Symposium for their
 generous financial contributions:

Valley USA Corporation Walnut Creek, CA	Patrons CIBA-GEIGY Corporation Emmenoden, ND	OUTPOST Haver, DE
O. M. Scott & Sons Company Marysville, OH	Farmer Agro, Inc. Palo Alto, CA	Cardona Alva Lawrenceburg, TN
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American Dynamite Company Princeton, NJ	Supporters Excellence Corporation Worcester, MA	Gray Stone Allentown, PA

Sunday, May 2

Mixer

Tickets in Registration Package

7:00 - 9:00 PM

Ballroom A, Holiday Inn

19000 Baltimore Blvd. at the Beltway
 4
 Baltimore, MD

SYMPOSIUM INFORMATION

Mixer, Registration (Sunday), and Posters (Monday evening)

Holiday Inn, Grand Ballroom and Prince George Room
10000 Baltimore Blvd. at the Beltway, Beltsville, MD 20740

Symposium: Auditorium, Beltsville Agricultural Research Center (BARC)
Building 003, BARC-West (Baltimore Blvd.), Beltsville, Maryland 20705

Registration, Post Office, Stamp Exhibit, and

Slide Preview Area: Room 20, Bldg.003

Registration

Sunday, May 2, 5:00 - 8:00 PM (Holiday Inn, Grand Ballroom)

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Ronald F. Korcak

Albert A. Piringner

Ashok K. Raina

William P. Wergin

Post Office

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Sponsors of the Symposium

The organizers of the Symposium thank the following sponsors of the Symposium for their generous financial contributions:

Patrons

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Greensboro, NC

DU PONT
Newark, DE

O. M. Scott & Sons Company
Marysville, OH

Sandoz Agro, Inc.
Palo Alto, CA

Gardens Alive
Lawrenceburg, TN

Pioneer Hi-Bred International, Inc.
Johnston, IA

Entotech, Inc.
Davis, CA

ISK Biotech Corporation
Mentor, OH

Supporters

American Cyanamid Company
Princeton, NJ

EcoScience Corporation
Worcester, MA

Grace Sierra
Allentown, PA

Sunday, May 2

Mixer

Tickets in Registration Package

7:00 - 9:00 PM

Ballroom A, Holiday Inn

**10000 Baltimore Blvd. at the Beltway
Beltsville, MD**

Session I Monday, May 3. J. J. Menn, Chairman.

Symposium Opening

- 8:30 AM Welcome - G. C. MARTEN, Associate Director, Beltsville Area
8:45 AM Friends of Agricultural Research-Beltsville Award Presentation -
G. W. IRVING

Plenary Session

- 9:00 AM Biologically Based Pest Management: Increasing Its Acceptance
R. W. F. HARDY
9:40 AM Parasites and Predators Play a Paramount Role in Pest Management
J. C. VAN LENTEREN
10:10 AM **Coffee Break**
10:40 AM Bt Maize for Control of European Corn Borer
M.-D. CHILTON, M. Koziel, T. C. Currier, and B. J. Mifflin
11:20 AM The Role of Biological Control in Pest Management in the 21st Century
R. J. COOK

12:00 - 1:30 PM Lunch

Session II Monday, May 3. D. J. Chitwood, Chairman.

Biocontrol Agents for Pest Suppression. Section A.

- 1:30 PM Viral Satellites, Molecular Parasites for Plant Protection
J. M. KAPER
1:55 PM Viruses for Control of Arthropod Pests
P. V. VAIL
2:20 PM Bacteria for Suppression of Foliar Plant Diseases
S. E. LINDOW
2:45 PM Bacterial Control of Flies in Livestock Operations
E. T. SCHMIDTMANN
3:10 PM **Coffee Break**
3:40 PM Fungi and Fungus/Bioregulator Combinations for Control of Plant-
Parasitic Nematodes
S. L. F. MEYER and R. N. Huettel
4:05 PM Arthropods for Suppression of Terrestrial Weeds
R. D. GOEDEN
4:30 PM Introduction of Natural Enemies for Suppression of Arthropod Pests
T. S. BELLOWS

Poster Session and Computerized Applications

7:00 - 10:00 PM

Light refreshments will be served.

Grand Ballroom and Prince George Room

Holiday Inn, 10000 Baltimore Blvd. at the Beltway, Beltsville, MD

Session III Tuesday, May 4. R. D Lumsden, Chairman.

Biocontrol Agents for Pest Suppression. Section B.

- 8:30 AM Multi-faceted Biological Control of Postharvest Diseases of Fruits and Vegetables
C. L. WILSON and A. El Ghaouth
- 8:55 AM Biological Control of Plant Parasitic Nematodes with Plant-Health-Promoting Rhizobacteria
R. A. SIKORA and S. Hoffmann-Hergarten
- 9:20 AM Dynamics of *Sporidesmium*, A Naturally Occurring Fungal Mycoparasite
P. B. ADAMS and D. R. Fravel
- 9:45 AM Managing Soilborne Plant Pathogens with Fungal Antagonists
R. D. LUMSDEN, J. A. Lewis, and J. C. Locke
- 10:10 AM **Coffee Break**
- 10:40 AM Conservation of Arthropod Natural Enemies to Control Insects
J. D. DUTCHER
- 11:05 AM Augmentation of Parasites and Predators for Suppression of Arthropod Pests
E. G. KING
- 11:30 AM Progress and Promise in Management of Aquatic-Site Vegetation Using Biological and Biotechnological Approaches
L. W. J. ANDERSON

12:00 - 1:30 PM Lunch

Session IV Tuesday, May 4. D. K. Hayes, Chairman.

Biocontrol Agents for Pest Suppression. Section C.

- 1:30 PM The Use of Fluorescent Brighteners as Activity Enhancers for Insect Pathogenic Viruses
M. SHAPIRO and E. Dougherty
- 1:55 PM Plant Growth-Promoting Rhizobacteria as Agents of Induced Systemic Resistance
J. W. KLOEPPER, L. Liu, G. Wei, and S. Tuzun
- 2:20 PM Mechanisms Involved in Biological Control of Soilborne Plant Diseases by Rhizosphere Bacteria
J. E. LOPER
- 2:45 PM Naturally Occurring Disease-Suppressive Soils
C. ALABOUVETTE
- 3:10 PM **Coffee Break**
- 3:40 PM New Options for Insect Control Using Fungi
A. E. HAJEK
- 4:05 PM Foreign Plant Pathogens for Environmentally Safe Biological Weed Control
W. L. BRUCKART and N. Shishkoff
- 4:30 PM The Past, Present and Future of Insect Parasitic Rhabditids for the Control of Arthropod Pests
G. O. POINAR, JR.
- 4:55 PM Biocontrol for Insect Pests of Livestock and Poultry
J. J. PETERSEN

Posters remain at Holiday Inn for review until 10:00 PM, Tuesday, May 4.

Session V Wednesday, May 5. B. A. Leonhardt, Chairman.

Natural Compounds in Pest Management

- 8:30 AM Microbial Metabolites with Biological Activity Against Plant Pathogens
D. M. WELLER and L. S. Thomashow
- 8:55 AM Phytochemical Resources for Pest Management
W. S. BOWERS
- 9:20 AM Maximizing Parasitoid Effectiveness in Biological Management Systems
with Semiochemicals
J. H. TUMLINSON and W. J. Lewis
- 9:45 AM Attracticides for the Control of *Diabrotica* Rootworms
R. L. METCALF, L. Deem-Dickson, and R. L. Lampman
- 10:10 AM **Coffee Break**
- 10:40 AM Applications of Pheromones for Monitoring and Mating Disruption of
Orchard Pests
R. E. RICE
- 11:05 AM Strategies and Tactics for the Use of Semiochemicals Against Forest
Insect Pests in North America
J. H. BORDEN
- 11:30 AM Biologically Based Regulatory Pest Management
C. P. SCHWALBE
- 11:55 AM Allelopathy for Weed Suppression
H. G. CUTLER

12:20 - 1:30 PM Lunch

Session VI Wednesday, May 5. J. D. Anderson, Chairman.

Genetic Manipulation of Biocontrol Agents

- 1:30 PM Expression of Viral Genes and Viral and Antiviral Proteins in Transgenic
Plants to Confer Virus Resistance
R. L. JORDAN and J. Hammond
- 1:55 PM Recombinant Baculoviruses as Biological Insecticides
B. D. HAMMOCK, P. Choudary, and S. Maeda
- 2:20 PM Genetics of BT Insecticidal Crystal Proteins and Strategies for
Construction of Improved Strains
B. C. CARLTON
- 2:45 PM Genetically Modified Bacteria for Biocontrol of Soilborne Plant Pathogens
D. P. ROBERTS
- 3:10 PM **Coffee Break**
- 3:40 PM Insect Resistant Transgenic Plants
D. A. FISCHOFF
- 4:05 PM The Genome of Biocontrol Fungi: Modification and Genetic Components for
Plant Disease Management Strategies
G. E. HARMAN, C. K. Hayes, and M. Lorito
- 4:30 PM Transgenic Beneficial Arthropods For Pest Management Programs: An
Assessment of their Practicality and Risks
M. A. HOY

Banquet - see next page for details.

Banquet Wednesday evening, May 5

Buses leave from the Holiday Inn at ____PM and from the front of Bldg. 003, BARC-West at ____PM for the National Aquarium in Baltimore.

Banquet at the National Aquarium begins at ____PM;
exhibits open from ____ - ____PM.

Buses leave Aquarium at ____PM for return to Holiday Inn and BARC, Bldg. 003.

Session VII Thursday, May 6. J. L. Vaughn, Chairman.

Implementation: Needs, Issues, Challenges

- | | |
|----------|--|
| 8:30 AM | National Perspective on Implementation of Biologically Based IPM Strategies
M. S. FITZNER |
| 9:00 AM | New Regulatory Strategies for Pheromones. EPA Policies, Interpretations and Rules
P. HUTTON |
| 9:30 AM | Patents and Intellectual Property: An Overview
B. U. BUCHBINDER |
| 10:00 AM | Coffee Break |
| 10:30 AM | The Development of Gliogard™ for Disease Control in Horticulture
J. F. WALTER |
| 11:00 AM | Public Sector Response to Needs, Issues and Challenges
E. S. DELFOSSE |
| 11:30 AM | Look to the Future
W. KLASSEN |
| 12:00 AM | Panel Discussion |

- End of Symposium -

Tour of the Beltsville Agricultural Research Center

The BARC Visitor Center invites all Symposium attendees and their families to join a tour of the Research Center from 2:00 - 3:30 PM, Thursday, May 6. A bus will pick up tour attendees in front of Bldg. 003, BARC-West at 2:00 PM and return there at 3:30 PM. This is an opportunity for an overview of the BARC research facilities and programs. A sign-up sheet will be at the registration desk.

Poster Titles and Presenters

- | | | |
|-----|-----------------------------|--|
| P41 | Dr. Jeffrey R. Aldrich | Relationship of the Pheromones of Some Predaceous Insects to Green Leaf Volatiles |
| P63 | Dr. L. W. J. Anderson | <i>Bagous affinis</i> : Biological Control of <i>Hydrilla verticillata</i> |
| P62 | Dr. Bryan A. Bailey | The Influence of Ethylene Pretreatment on Ethylene Biosynthesis in <i>Nicotiana tabacum</i> cv Xanthi Treated with a Fungal Xylanase |
| P47 | Dr. Pedro Barbosa | Title |
| P51 | Dr. Michael B. Blackburn | Sterilization of the Gypsy Moth by Disruption of Sperm Release from Testes |
| P57 | Dr. Song H. Bok | Immobilized Microbial Pesticides |
| P58 | Dr. C. Douglas Boyette | Hemp sesbania (<i>Sesbania exaltata</i>) Control with the Mycoherbicidal Fungus <i>Colletotrichum truncatum</i> |
| P61 | Dr. Nancy L. Brooker | Modification of <i>Colletotrichum</i> Biocontrol Agents with The Bialaphos Resistant Gene |
| P28 | Dr. J.. George Buta | Identification of Sucrose Esters from <i>Nicotiana</i> Active Against the Greenhouse Whitefly |
| P74 | Ms. Michelle R. Carter | Evaluation of Botanical Products for Innovative Plant Disease Control |
| P03 | Mr. D. Kelly Cartwright | Population Dynamics of <i>Pseudomonas cepacia</i> in Relation to Control of <i>Rhizoctonia solani</i> in Polyfoam Rooting Cubes |
| P29 | Dr. Ugo Cirio | Neem Tree Compounds for Integrated Control of Mediterranean Fruit Fly <i>Ceratitis capitata</i> |
| P42 | Dr. Moshe Coll | Influence of Plants on Insect Predators: A Case Study Using the Insidious Bug |
| P59 | Mr. William J. Connick, Jr. | Granules Containing Mycoherbicides and Entomopathogenic Nematodes |

- P43 Dr. Thomas Coudron Does the Success of Euplectrus Depend on Its Venom Regulation of Host Storage Proteins?
- P60 Dr. Donald J. Daigle Stability of Colletotrichum truncatum in Culture May Influence Mycoherbicide Potential
- P20 Dr. M. T. Davis Photoaffinity Labeling of a Transporter for PBAN in the Central Nervous System of the Moth *Helicoverpa zea*
- P50 Mr. Albert B. DeMilo Further Structure-Activity Correlations of Medfly Attractants Related to Trimedlure
- P30 Dr. E. M. Dougherty Site of Action of Fluorescent Brighteners as Enhancers for the *Lymantria dispar* Nuclear Polyhedrosis Virus (LdNPV) in the Gypsy Moth
- P01 Ms. Cynthia G. Eayre Bacteriophage for Control of Postharvest Diseases
- P66 Dr. Carol A. Ellison The Potential for Biological Control of *Rottboellia Cochinchinensis* in the New World
- P19 Dr. Robert R. Farrar, Jr. Comparative Studies of Feeding Stimulant Spray Adjuvants with Four Species of Lepidoptera
- P06 Dr. Mark Feldlaufer Biologically-Based Control of Foulbrood Diseases of Honey Bees by Fungal Natural Products
- P44 Dr. Stephen M. Ferkovich Investigations Into Economical Rearing of an Endoparasitoid of Heliothis /Helicoverpa Spp. on Atypical Hosts
- P73 Dr. Michael J. Firko The National Environmental Policy Act and Biological Control
- P09 Dr. Deborah R. Fravel Alginate Prill Formulations of *Talaromyces flavus* with Organic Substrates for Biocontrol of *Verticillium dahliae*
- P45 Dr. Roger W. Fuester Status of *Calosoma sycophanta* (L.), an Introduced Predator of the Gypsy Moth

P33	Dr. Gail E. Gasparich	Construction of a Novel Toxin Delivery System for Biocontrol of Colorado Potato Beetles
P52	Dr. Daniel Gonzalez	Native Biological Control is the Most Important... and the Most Neglected...Component in IPM Programs. An Example on California Cotton Pest Control
P64	Dr. Michael P. Greaves	Microbial Herbicides for Weeds of Temperate Arable Crops
P15	Dr. C. K. Hayes	Interstrain Gene Transfer as Mechanism of Asexual Variation in <i>Trichoderma</i> spp.
P16	Dr. Dolores E. Hill	A Potential Biocontrol Strategy for <i>Trichuris Suis</i> Infection in Swine
P46	Dr. Ralph W. Howard	Cuticular Hydrocarbons of Parasitoids Used in the Biological Control of Stored-Grain Insects
P14	Ms. C. D. Hoynes	Integrated Biological and Chemical Control of <i>Sclerotium rolfsii</i>
P34	Dr. Donovan E. Johnson	Cross Resistance Among Indianmeal Moth Larvae to Specific Crystal Proteins from <i>Bacillus thuringiensis</i>
P49	Dr. Achot P. Khrimian	Oriental Fruit Fly Attractants: Relative Effectiveness of Selected Methyl-Substituted Analogs of Methyl Eugenol as Determined from Field Studies
P21	Dr. Timothy G. Kingan	Peptides in Male Seminal Fluids as Anti-attractants of the Corn Earworm Moth
P67	Mr. Phillip Kirsch	Use of Semiochemicals in Pest Management
P05	Dr. James C. Locke	Development of Neem Seed Oil as a Natural Product to Control Foliar Fungal Diseases
P35	Dr. Phyllis A. W. Martin	Growth Parameters for Testing Interactions Between Insecticidal Bacteria and Biocontrol Fungi
P10	Dr. Fred D. McElroy	Biological Control of <i>Botrytis cinerea</i> on Greenhouse Grown Conifer Seedlings

- P07 Dr. Sue Mischke Improvement of a Biocontrol Fungus for Integrated Pest Management Systems by Genetic Manipulation
- P04 Dr. Harold E. Moline Exploiting Natural Antagonism in the Genus *Erwinia* for the Control of Bacterial Soft Rot
- P37 Dr. J. Stephen Neck An Insect Specific Fungus, *Beauveria bassiana*, ATCC 74040, to Control the Sweet Potato Whitefly
- P11 Dr. Stan Nemec Longevity of Microbial Biocontrol Agents in a Plug Mix Amended with *Glomus intraradix*
- P48 Dr. Asher K. Ota An Effective Parasitoid of the Lesser Cornstalk Borer in Hawaii
- P22 Dr. Edison Pasqualini Pheromone Sex Attractant in Male Captures of *Zeuzera pyrina* L. (Lep. Cossidae): Progress Report
- P23 Dr. Mary F. Purcell Influence of Guava Ripening on Parasitism Levels by *Diachasmimorpha Longicaudata* (Ashmead) and Other Parasitoids of *Bactrocera dorsalis* (Hendel)
- P38 Dr. Gary J. Puterka Virulence of Fungal Pathogens to Pear Psylla
- P65 Dr. Paul C. Quimby Biocontrol of Rangeland Weeds
- P24 Dr. Alberto R. Quisumbing Commercial Examples of "Lure-N-Kill" Products Using Insecticides and Pheromones
- P25 Dr. J. M. Rabasse Biological Control of Aphids Using Parasitoids in European Glasshouses
- P53 Dr. David K. Reed Tritrophic Aspects of Russian Wheat Aphid Biological Control
- P12 Dr. S. A. Rehner Molecular Phylogenetics and Systematics of *Trichoderma (Gliocladium) virens*
- P54 Dr. William C. Rice Selective Biological Methods for the Control of the Rice Water Weevil

- P18 Dr. Paul B. Rodgers Biological Control of Slug and Snail Pests with a Novel Parasitic Nematode
- P17 Dr. Richard M. Sayre Species of the Genus *Pasteuria*, Bacterial Parasites of Nematodes, as Possible Biocontrol Agents of Plant Disease
- P26 Mr. Ted N. Shaver Potential Plant Feeding Attractants for Use in an Adult Control Program for Corn-earworms and Other Noctuids
- P02 Dr. Patricia J. Slininger Carbon and Nitrogen Source Utilization by *Pseudomonas fluorescens* 2-79 for Growth and Antibiotic Production in Liquid Culture -- pH Control Considerations for Mass Production
- P27 Dr. Ann Smigocki Plant Hormone-Mediated Insect Resistance in Transgenic *Nicotiana*
- P68 Dr. Martin F. Stoner Educational Strategies in Support of Biological Management of Pests and Diseases
- P69 Dr. Cecil F. Tester Effects of a Genetically Modified Endophytic Bacterium on Colonized Corn Plants
- P70 Mr. Donald Thomson Control of Codling Moth & Secondary Pests in Pheromone-Based IPM
- P36 Dr. Kevin Thorpe Comparison of Methods for Quantifying the Efficacy of Aerial Applications of *Bacillus Thuringiensis* and *Diffubenzuron* Against the Gypsy Moth
- P13 Dr. Peter P. Ueng Differential Identification of Wheat *Phaeosphaeria* Fungal Leaf Pathogens by PCR Amplification
- P39 Dr. Fernando E. Vega A Device to Inoculate Flying Insects with Biocompetitors of Toxigenic Fungi, Insect Pathogens or Weed Pathogens
- P32 Dr. Geoffrey B. White Enhancement of Activity of the Nuclear Polyhedrosis Virus of the Gypsy Moth by Stilbene Disulfonic Acid Adjuvants; Field Confirmation

- P71 Ms. W. Ann Whitehead Transferring Agricultural Intellectual Property
- P08 Mr. Stephen E. Wilhite Expression Analysis of Gliotoxin Production in the Biocontrol Fungus *Gliocladium virens*
- P72 Dr. Mark Wilson Ecological Basis of Biological Control of Frost Injury
- P55 Dr. B. R. Wiseman Elcar and Resistant Corn Silks Enhance Mortality of Corn Earworm (Lepidoptera: Noctuidae) Larvae
- P40 Dr. Chris A. Wozniak Entomopathogenic Nematodes for Control of Larvae and Adults of the Sugarbeet Root Maggot (Diptera: Otitidae)
- P56 Dr. Rich W. Zobel Dairy Manure Control of Corn Root Worm Damage

It was noted by the group's attention that Donald Stenberg, who had been with the group for a long time, had passed away. Appropriate tributes will appear in the next Newsletter.

In the February Minutes, "Pigment" should read "Pigment". The minutes as presented were approved.

There is an agreement that has been executed between FAFS and NAC pertaining to the summer intern at the National Visitor Center. It is a supplement to the existing Memorandum of Understanding between the two organizations. An amount of \$2,000, the cost of the salary for the summer intern, is \$11.

TREASURER'S REPORT - BILL HARTZ

Due to several checks from the Symposium drawn on foreign banks, Bill was unable to prepare the report for the meeting. A copy of the report follows:

General Account:

Balance as of 3/1/93

310,002.79

Income:

From New Memberships

120.00

From Membership Renewals

150.00

From Interest

25.79

Total Income

295.79

Total Available

599.79
519,102.97



FRIENDS OF AGRICULTURAL RESEARCH-BELTSVILLE, Inc.

P.O. Box 1061

Beltsville, Maryland 20704-1061

The FAR-B Board of Directors met on June 8, 1993 in Room 238 Conference Room, Bldg. 003. Those in attendance were: Frank Longen, George Irving, Al Piringer, Bill Bailey, Bill Hollis, Pat Jackson, Morton Beroza, Gordon Marten and Ginger Hupfer. Guests at the meeting included Jim Seale, Barbara Leonhardt and Julius J. Menn.

The meeting was called to order at 1:00 by Vice President, Frank Longen.

PRESIDENT'S REPORT - FRANK LONGEN

- John Moseman and Gus Hanson were attending the funeral of Clarence Hanson.
- Dr. Hugo Graumann and his wife passed away in a tragic automobile accident.

It was called to the group's attention that Ram Chandra, Donald Crooks, and Joseph Hamilton had also passed away. Appropriate obituaries will appear in the next Newsletter.

In the February minutes, "Pigmentation" should read "Pigment". The minutes were approved as amended.

There is an agreement that has been executed between FAR-B and BARC pertaining to the summer intern at the National Visitor Center. It is a supplement to the existing Memo of Understanding between our two organizations. We are transferring \$2,000, the cost of the salary for the summer intern, to ARS.

TREASURER'S REPORT - BILL BAILEY

Due to several checks from the Symposium drawn on foreign banks, Bill was unable to prepare the report for the meeting. A copy of the report follows:

General Account:

Balance as of 5/11/93 \$18,602.39

Income:

From new memberships	\$20.00	
From membership renewals	450.00	
From Interest	30.58	
Total Income	\$500.58	500.58
Total Available:		\$19,102.97

give copies of the proceedings to eleven co-authors of manuscripts that are in the proceedings, a total of \$660. The Committee also recommended that FAR-B purchase a typewriter and a plain paper fax for the Symposium Secretary. The Committee also recommended that two or three good quality portable poster stands be purchased to be used for the Symposium and throughout the year. After discussion with Dr. Marten, it was decided it would be advantageous to purchase several permanently mounted poster boards in room 20, Bldg. 003. Discussion followed about purchasing a projector for showing videos. Dr. Marten pointed out that if FAR-B gives gifts to Beltsville Area, the Administrative Office must fill out the appropriate forms. Frank Longen mentioned that we must complete the forms for the laser printer purchased for the Symposium Secretary. With an estimated cost proposal of \$3,000, it was moved by George Irving, and seconded by Bill Hollis that FAR-B purchase a typewriter, plain paper fax, several poster stands and several poster boards. The motion carried.

SYMPOSIUM XIX REPORT - DR. JIM SEALE

The Committee has pretty much decided on the facilities at the Holiday Inn, Beltsville, for rooms and the poster session. We have contacted all but one of our invited speakers. We are getting ready to mail out the program, with a form for those interested in presenting a poster or possibly a short oral presentation. We are compiling a list of supporters from industry. From those we contacted, the initial response is favorable. Frank Longen suggested that judging from this year's response, that the letters be sent in October. Jim said the committee was looking at the companies having a July fiscal year and getting them out as soon as possible. The Committee discussed nominations for the FAR-B Outstanding Scientist Award. Judging from the response from the pre-release flyers, we are projecting a good attendance.

Dr. Julius Menn reported that a group of ARS Scientists are launching an IPM Field Day on July 23, which will demonstrate projects that may lend themselves for Technology Transfer to industry or other organizations. To date we have approximately 15 projects. We are developing an abstract booklet and when we have the whole package, we will submit a copy to FAR-B. We are in the process of sending out 70 letters of invitation to companies, Directors of Experiment Stations, Officials from the State of Maryland and Delaware, and Congressional Representatives. The project is being co-ordinated very closely with Dr. Murrell. Dr. Menn requested that FAR-B sponsor the luncheon for approximately 50 people in the amount of \$500. Frank Longen said that the criteria for support is what advantage to BARC would be generated by the luncheon. Bill Hollis added that perhaps the group could give FAR-B some publicity and encourage some to join. Barbara Leonhardt suggested that perhaps Dr. Vaughn could provide a poster board (similar to the ones we had at the symposium) listing a statement of FAR-B's objectives, and some of the things FAR-B does for Beltsville. The poster could then be used for poster day and other

such functions. Bill Hollis made the motion that FAR-B sponsor the luncheon; it was seconded by Al Piringer. The motion carried.

AREA OFFICE REPORT - DR. GORDON MARTEN

- Selections have been made for Beltsville Area Honorees for 1993. These will be celebrated at the June 22 Awards Ceremony, which is right in the middle of Poster Day. Deputy Secretary Rominger will be here to give a speech. Dr. Plowman and Dr. Finney both plan to attend. Sherry A. Cohen, from Insect Neurobiology & Hormone Lab will receive Secretary/Clerical Employee of the Year Award; Technician of the Year Award goes to Vincent P. Flanagan; Support Scientist of the Year is Glenn R. Welch; Early Career Research Scientist of the Year is Susan L. Fricke Meyer from the Nematology Lab; and Barbara Leonhardt is our Senior Research Scientist of the Year. Dr. Marten invited FAR-B to the Awards Ceremony at 1:00 in Building 003.
- Dr. Marten passed around a hand-out on Poster Day.
- The new Beltsville Area brochure is in it's final phase. Will be meeting with Sandy Henry to put finishing touches on it. Should be out before too long. The last one came out in 1987.
- Dr. Donald L. Keister of the Soybean & Alfalfa Research Lab is Co-Chair of the 1995 Beltsville Symposium. Dr. Keister is asking all Beltsville Scientists, through their Research Leaders for suggested Titles and a Justification for Beltsville XX. Dr. Marten said there has been no Symposium strictly on animals.
- Dr. Joe Spence is the new Director of the Beltsville Human Nutrition Research Center. Also, the topic of the 1994 Symposium is human nutrition. Human Nutrition Workshops or reviews are being held here to integrate thoughts and actions of the five labs and get more collaboration on future research.
- Dr. Murrell is at the Administrative Council Meeting.
- Judy St. John is on a long-term leave of absence. She is on Secretary Espy's task force on "re-inventing government".
- There are five candidates lined up for interview for the new Director of the Arboretum.
- The ARS Hall of Fame Awards were postponed until Fall so that Secretary Espy can re-examine the criteria used to select award recipients.

Frank Longen read a letter from the Twenty First District Delegation of the Maryland General Assembly to advise FAR-B of passage of legislation providing that the property which is now the Beltsville Agricultural Research Center will remain in permanent open zoning classification if it is ever sold by the Federal Government to private parties. Senator Arthur Dorman, Tim Maloney, Pauline Menes, and Jim Rosapepe sent this letter to FAR-B because of FAR-B's leadership in protecting BARC. Dr. Marten said they were asked for their opinion on the legislation before it got passed and they saw no reason why that would adversely impact what

anyone would plan for Beltsville in the future. They can't sell our land anyway because of a 1988 Act of Congress. The legislation does not say that Congress cannot decide that part of Beltsville's land shall be given for a Federal Agency to build something, it is to protect from commercial development.

NEW BUSINESS

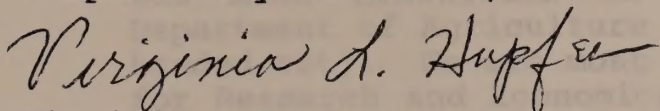
George Irving said Murray Bakst is holding a symposium on Artificial Insemination of Poultry in June of 1994. Frank Longen said that BARC sponsored symposium should be co-sponsored, and would need a supplement to the Master Memorandum of Understanding. Al Piringer said FARB could decide in a Ad Hoc meeting or by telephone. Frank said we would have to develop a supplement to the Master Memo of Understanding and run it out of our current symposium account.

ROUND ROBIN

George Irving received a letter of appreciation from Barbara Leonhardt.

There being no further business for the good of FAR-B, the meeting adjourned at 2:45 p.m.

Respectfully Submitted,



Virginia L Hupfer
Executive Secretary

* * * * * Next Meeting * * * * *

**NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, September 14, 1993,
1:00 p.m., Room 238, Building 003.**



FRIENDS OF AGRICULTURAL RESEARCH-BELTSVILLE, Inc.

P.O. Box 1061

Beltsville, Maryland 20704-1061

The FAR-B Board of Directors met on September 14, 1993 in Room 238 Conference Room, Bldg. 003. Those in attendance were: John Moseman, Bill Bailey, George Irving, Frank Longen, Al Piringer, Bill Hollis, Angus Hanson, Pat Jackson, Morton Beroza, Gordon Marten, and Ginger Hupfer. Guests at the meeting included Duane Norman, Vernon Pursel, and James Seale.

The meeting was called to order at 1:00 by President, John Moseman. The minutes were approved as distributed.

PRESIDENT'S REPORT - DR. JOHN MOSEMAN

- IPM Field Day, sponsored by a group of ARS Scientists, was a great success. (Gordon Marten said the event would probably become an annual event and would be enhanced.)
- Poster Day - Gordon Marten said the Scientists were appreciative for FAR-B sponsoring the luncheon, and had many positive feedbacks. FAR-B was recognized at the luncheon.

AREA OFFICE REPORT - DR. GORDON MARTEN

- At the 11:00 Administrative Conference call that day, there was much discussion on the reorganization of the U.S. Department of Agriculture (detailed in flow chart Dr. Marten handed out). We are most concerned with Assistant Secretary for Research and Economics. The proposed new name for ARS, ARES, would include ARS, CSRS, ES (Extension Service), and the National Agricultural Library. Congress must approve certain aspects of the reorganization before it can be implemented. Dr. Marten touched on the "Six Missions to create a streamlined and revitalized department" 1) Better Service for Farmers; 2) Making Rural Development a Priority; 3) Elevating Food, Nutrition and Consumer Services; 4) New Emphasis on Conservation Programs; 5) Ensuring Food Quality and Safety; 6) Research and Economics Combined.
- State of the Area: BA has 1,304 FTE's (340 of which are permanent SY's). There are 79 research associates with hopes of getting 8 or 9 more.
- Modernization: East Wastewater Treatment Upgrade should be finished by winter. The concrete structure of the basement and first floor of our New Plant Sciences Building is complete. This is a ten million dollar job. A number of units of the first phase of the Greenhouse Range 2 Complex is completed and in about 18 months the entire range will be completely redone with state-of-the-art greenhouses. This too, was a \$10,000,000 job. The Conservatory will be demolished after the first of the year to make room for the Controlled Environment Facility. The underground passageway will connect the greenhouses with the Controlled Environment Facility, with the Plant Sciences Building. The Facility will

hold 80+ growth chambers. If the Conference Committee can keep things intact, we have \$19.7M for modernization at Beltsville for fiscal 94. Building 001 will be gutted and rebuilt if the \$19.7M remains intact. The Free Stall Dairy Barn is under construction. It should be completed and ready for dedication in December. The West Wastewater Treatment Upgrade is scheduled and funded. If the budget remains intact, we have \$7,000,000 for the BARC-East Water System. BHNRC Economic Analysis is finished and it showed that it pays to build new buildings rather than to gut and rebuild 306, 307, and 308. The design is planned for fiscal 95; it is a \$50M package. LPSI is dominantly evolved in the BARC Space Study. Buildings 200, 201, and APU are completely inadequate; joint facilities are being discussed. The completion of new construction on the west side, requires a substantial upgrade in the West Electrical System.

- The selection of the new Director of the Arboretum is in the hands of the Secretary of Agriculture and the Office of Personnel Management, and should be known in a couple weeks.
- The ARS Awards Ceremony will be held September 22, 1993 in the auditorium at 12:30.
- The USDA "Celebration of Excellence" Awards will be held on September 23, 1993 at 10:00 on the Mall.
- BARC has received seven USDA National Research Initiative Grants (administered by CSRS) totalling \$971K. We had 49 proposals.
- We have \$800K from the Administrator to fund the Master Plan. The boundary survey has been finished and will be computerized.
- Coming in December is the new BARC brochure and colored map.
- The title submitted for the 1995 Symposium is "The Changing Face of Genetic Improvement of Farm Animals through Biotechnology". Dr. Duane Norman and Dr. Vernon Pursel are Co-chairs.

Discussion followed on the 1995 Symposium. The title, "Biotechnology's Role in the Improvement of Farm Animals" was suggested by Gus Hanson.

SYMPOSIUM XIX REPORT - DR. JAMES SEALE

The program is set and the secretary is in the process of sending letters to the speakers with information on the program, government's payment of expenses, etc. If we don't have to go through GPO, we have estimates from local printers on printing the announcements. We have contacted professional societies on nutrition for labels to send announcements and possible advertisement. The proceedings will be published by the American Journal of Clinical Nutrition. The banquet will be Monday evening at the Museum of Natural History in Washington, D.C. The solicitation letter has been drafted. Copies of the program were distributed to FAR-B members. It was decided not to use FAR-B's solicitation list unless they had a direct interest in the subject

of the Symposium.

Dr. Martin said Judy St. John will address the Research Leader's meeting October 7. If she would be available, perhaps she could attend the FAR-B meeting, 10/12. Dr. Murrell will represent the Area Office at the 10/12 meeting. He and Dr. Martin plan to alternate attending FAR-B's BOD meetings.

TREASURER'S REPORT - MR. WILLIAM BAILEY

Treasurer's report was not ready for the meeting. Will get to Ginger for minutes. Bill will go through list of members who have not paid dues, and decide which ones to carry and which ones to drop.

Secretary, Ginger Hupfer thanked FAR-B for her new plain paper fax and electronic typewriter, and invited the members to her office Bldg. 308, Room 226 to see the new equipment. The equipment cost a total of \$2,530. Dr. Moseman will check with Dr. Barbara Leonhardt about the poster boards she mentioned at a previous meeting. Bill Bailey has a copy of the Visitor Center purchase order for their tv video projector for the auditorium.

Newsletter - Pat Jackson and Ginger Hupfer will begin making calls for articles for the Newsletter.

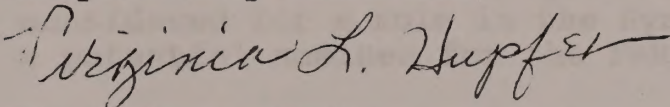
ROUND ROBIN

George Irving said he had been invited to lunch by Phillip Abelson who has been named for this year's Sterling B. Hendricks award. He wanted to learn more about Dr. Hendricks.

Frank Longen received a letter from Doug Miller of the Systematic Entomology Lab inquiring how checks from contributors should be made out; FAR-B Inc., (SELF). Frank also received a call from Deborah Hanfman from the NAL, seeking to get an article into the Newsletter, seeking volunteers for the Aqua Culture Information Center.

There being no further business for the good of FAR-B, the meeting adjourned at 2:40 p.m.

Respectfully Submitted,



Virginia L. Hupfer
Executive Secretary

* * * * * **Next Meeting** * * * * *

NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, October 12, 1993, 1:00 p.m., Room 238, Building 003



FRIENDS OF AGRICULTURAL RESEARCH-BELTSVILLE, Inc.

P.O. Box 1061

Beltsville, Maryland 20704-1061

The FAR-B Board of Directors met on October 12, 1993 in Room 238 Conference Room, Bldg. 003. Those in attendance were John Moseman, Angus A. Hanson, Al A. Piringer, William Hollis, Morton Beroza, William A. Bailey, George Irving, Darwin Murrell, and Ginger Hupfer. Guests at the meeting included Michael Ruff, Jim Seale, and Bill Rumpler.

The meeting was called to order at 1:00 by President, John Moseman. The minutes were approved as distributed.

PRESIDENT'S REPORT - DR. JOHN MOSEMAN

- FAR-B furnished refreshments at the Research Leader's meeting, October 7.
- Contacted Judy St. John to give us an update at our meeting, but she couldn't attend. Was just too busy.

SYMPOSIUM XIX REPORT - DR. JAMES SEALE

Jim said they have a draft of the solicitation letter. One was given to John Moseman and one was mailed to George Irving and Frank Longen. Jim presented a copy of the latest draft of the symposium announcement. Ginger will mail a copy with the minutes. Speakers have been contacted and all presentation titles confirmed. A contract is in hand from the Holiday Inn for the Sunday evening reception, the Tuesday evening poster session and the block of rooms. The banquet will be held at the Museum of Natural History of the Smithsonian Institute; we are in the process of contacting caterers. The Committee is generating a list of dignitaries to invite. (Dr. Murrell would like to see the completed Congressional list.)

Dr. Irving proposed the question whether or not a Company could display their logo at the Symposium. Dr. Murrell will check on this. Dr. Murrell mentioned that we should invite Ellen Haas and he will check on others who should be invited. Dr. Hanson asked if the Committee had selected a banquet speaker. None has been selected. Dr. Hanson questioned whether Dr. Mertz had been considered for a role in the Symposium. Dr. Seale mentioned he is a potential nominee for the FAR-B award.

TREASURER'S REPORT - MR. BILL BAILEY

The report was approved as read. (Copy enclosed)

AREA OFFICE REPORT - DR. DARWIN MURRELL

- Dr. Murrell introduced Dr. Mike Ruff, who is taking on the duties of Area Technology Transfer Coordinator. This administration is putting a high priority on technology

transfer for economic initiatives from research areas. Many of the labs in ARS dealing in utilization research, biofuels, etc. will be getting increases in their 94 budget. Dr. Ruff thanked FAR-B for their sponsoring the food for Field Day and the Research Leader's meeting, and talked briefly about the duties and responsibilities of his new position. Bill Hollis suggested having this as the subject of a Beltsville Symposium.

- Reinvention - Vice President Gore has proposed a more flexible and more appropriate evaluation process.
- Reorganization - Dr. Plowman (Acting Assistant Secretary) has to have a proposal to Secretary Espy by November 1, of how we're going to create ARES. There will be an Acting Agency Head appointed by the Assistant Secretary for each Agency under Research and Economics. Judy St. John is heading the committee on "function". More information on structure and timetable for integration will be known in November.
- Visitors - the Minister of Agriculture from Israel will be here to see Beltsville and some cooperating farms that we have the first week in November. The Head of the Academy of Agricultural Science of the Ukraine will be here on the 18th, and a Turkish delegation is trying to set up some other dignitary visits. The visitors want to set up a direct working relationship with Beltsville. In November, Judy St. John, Phil Kearney, Tom Sexton and myself will visit Israel at their invitation. In return some of their scientists will be invited to Beltsville. Better BARD proposals could grow out of this exchange.
- Modernization - the 94 budget (it appears Congress will hold the continuing resolution until 10/20) allots \$19.7 M for modernization. If this comes through, work can be started on building 001, Eastside water system, the design of the new integrated animal facilities, the design on building 004, and on the wastewater treatment plant.
- Senator Paul Sarbanes ordered a study by GAO last year on Federal lab facilities. Beltsville was included. The report showed we had a lot of needs. Sarbanes held a hearing to give some visibility to that GAO report. Dr. Murrell represented Beltsville, representatives from NIH, NASA, and a fourth person with an opposing view, who thought the Federal labs should be shut down. Sarbanes wants to address the economic impact that the Federal laboratories have by setting up some round tables to illustrate the economic benefits the public gets especially from Agricultural research.
- Dr. Murrell would like to see more extension input into Beltsville come out of the reorganization.
- Thomas S. Elias will take up duties as the New Director of the Arboretum November 28.

OLD BUSINESS

George Irving inquired what articles were needed yet for the

Newsletter. Ginger said the National Visitor Center.

ROUND ROBIN

Bill Bailey was invited to the White House for the signing of the National Youth Bill. During the President's speech, he introduced Owen Davis and myself as members of President Roosevelt Civilian Conservation Corps (CCC).

There being no further business for the good of FAR-B, the meeting adjourned at 2:10 p.m.

Respectfully Submitted,

Virginia L. Hupfer

Virginia L. Hupfer
Executive Secretary

* * * * * Next Meeting * * * * *

NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, November 9, 1993, 1:00 p.m., Room 238, Building 003

MEMBERSHIP REPORT - DR. JAMES HARTEN
The membership committee will be compiling and mailing by October 15th a list of members and dignitaries to be invited to the annual dinner and banquet that was hosted by Dr. Spence. We have a contract with the Holiday Inn for the block of rooms and reception and poster session. We are negotiating a contract with the Greyhound line for transportation to and from the banquet. The seating arrangements are being worked up by Joan Conery, Judy Halliwell, and Chip Newcomb. We're ordering approximately 7,500 labels from the American Statistical Association and the total membership list from the American Institute of Nutrition. We are hoping to get a special rate for pre-arranged mail. Frank Longan suggested adding the name of George McGovern to the list of dignitaries. Other names suggested were Congressman Brown, Parris Glendene, the Maryland delegation from this district, and Connie Moralla.

AREA OFFICE REPORT - DR. JAMES HARTEN

The Area Office maintains several foreign delegations. On October 13, Professor Soriano, President of the Ukrainian Academy of Agricultural Sciences visited, seeking collaborative endeavors with Beltsville. On November 4, Mr. Yzer, the minister of Agriculture from the State of Israel visited us. He was primarily interested in our animal science research. This week, Marvin Marshall, Tom Sutton, Judy St. John and Phil Kearney are in Israel, visiting the



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The FAR-B Board of Directors met on November 9, 1993 in Room 238 Conference Room, Bldg. 003. Those in attendance were John Moseman, William Bailey, Morton Beroza, Al Piringer, Frank Longen, Gus Hanson, Pat Jackson, Gordon Marten, and Ginger Hupfer. Guests at the meeting included Michael Ruff and Jim Seale.

The meeting was called to order at 1:05 by President, John Moseman. The minutes were approved as distributed.

TREASURER'S REPORT - MR. BILL BAILEY

The report was approved as read. (copy enclosed)

DR. MICHAEL RUFF inquired whether FAR-B would be willing to maintain accounts for other labs similar to the Systematic Entomology Lab. Frank Longen said it would create a lot of extra paper work for the treasurer. Gus Hanson mentioned that helping to support research was one of the original objectives of FAR-B. The decision was - we would not publicize the fact that FAR-B is a vehicle for administering private monies, but we would take each one on an individual basis.

SYMPOSIUM XIX REPORT - DR. JAMES SEALE

The corporate solicitation letters will be completed and mailed by Friday. I've passed around a list of guests and dignitaries to be invited to the symposium and/or banquet that was created by Dr. Spence. We have a contract with the Holiday Inn for the block of rooms and reception and poster session. We are negotiating a contract with the Eyre bus line for transportation to and from the banquet. The meeting announcements are being worked on by Joan Conway, Judy Hallfrisch, and Chip Beuchert. We're ordering approximately 7,500 labels from the American Dietetic Association and the total membership list from the American Institute of Nutrition. We are hoping to get a special rate for pre-sorted mail. Frank Longen suggested adding the name of George McGovern to the list of dignitaries. Other names suggested were Congressman Brown, Parris Glendening, the Maryland delegation from this district, and Connie Morella.

AREA OFFICE REPORT - DR. GORDON MARTEN

- The Area Office entertained several small foreign delegations. On October 18, Professor Sozinov, President of the Ukrainian Academy of Agricultural Sciences visited, seeking collaborative endeavors with Beltsville. On November 4, Mr. Tzur, the minister of Agriculture from the state of Israel visited us. He was primarily interested in our animal sciences research. This week, Darwin Murrell, Tom Sexton, Judy St. John and Phil Kearney are in Israel, visiting the

Wiseman Institute, Volcani Center, and Hebrew University.

- Update on reorganization - Dr. Plowman is still acting Assistant Secretary. He submitted his proposal for his structure for ARES on November 1.
- The Area Office had to issue a statement to all of the Labs not to spend more the first quarter of this year than they did last year. Preferably, they should spend less, due to the threat of some recision of the ARS budget. The Sub Committee on Agriculture of the House axed any cut for ARS. The Secretary told all Senior Executives in October that he hopes to have this through Congress and announced before Christmas.
- Dr. Marten met with the Board of Directors of Friends of the National Arboretum (FONA), and introduced them to the new Director of the Arboretum, Dr. Thomas Elias. FONA announced the appointment of their new Executive Director, Lisa Wilson.
- Modernization - The Free Stall Dairy Barn should be finished sometime in December. The superstructure of the new Plant Science Building is all in place. The Greenhouses are continuing very well. We are hoping to have our F.Y. 94 funds intact, in spite of the recision, i.e. \$19.7M.
- Al Piringer asked about Hall of Fame Awards. Gordon Marten said the Hall of Fame Awards banquet is at 6:00, Tuesday, December 7 at the Arboretum. Reservations are to be made by December 1. The cost is \$25.00. There is no transportation, but Dr. Marten said if anyone wants a ride, contact the Area Office.
- Gus Hanson asked about the status of the air circulation problem of the Bio Science Building. Gordon Marten said there were in depth studies by outside consultants; they concluded there isn't any reason to be concerned - the stacks were added for better circulation. The big problem was laboratory practice. Some of the laboratories were moved.

NEW BUSINESS

John Moseman had a call from Ray Gamble inquiring if FAR-B had any suggestions for a person to serve on a committee, "Institute on Animal Care and Use". The Committee consists of 12 people who review the use of animals in research. They meet once a month. John Moseman suggested the wife of a retired professor from the University of Maryland to him. They don't want a science professional.

Dr. Moseman asked Morton Beroza to work on the membership drive. Dr. Beroza asked Gordon Marten to get a list of retirees before the next FAR-B meeting. Morton will also recruit current ARS employees. It was the consensus of opinion that the FAR-B brochure needs revised. The subject was brought up by Frank Longen on how long to carry members who have not renewed their membership. It was decided that if they didn't respond after the second notice goes out in June, they should be dropped at the end of the calendar year. It was moved by Al Piringer, and seconded by Gus Hanson.

Frank Longen informs the Information staff, and should be notified of any members dropped, changes of address, etc. Bill Bailey will send Frank a copy of all Supplements.

There being no further business for the good of FAR-B, the meeting adjourned at 2:20 p.m.

Respectfully Submitted

Virginia L. Hupfer

Virginia L. Hupfer
Executive Secretary

* * * * * Next Meeting * * * * *

**NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, December 14, 1993,
1:00 p.m., Room 238, Building 003**

AREA OFFICE REPORT - DR. S. GEORGE HAYES

- Discuss the situation with the Smithsonian Institute on the 2 year letter plan to receive some 2-300 items for their library.
- The American Type Culture Collection is still interested in locating here. It will have our National Animal Quarantine Collection Facility and much of our latest collection.
- As had our AHS review. The facility's problems. The secretary has asked us not to reduce personnel (possibly until the reorganization is complete).

FINANCIAL REPORT - MR. WILLIAM BAILEY

The report was approved as read. (copy enclosed)

Frank Longen mentioned the printer, typewriter, and fax machine should be turned over to AHS. Hupfer will initiate action on this.

ROUND ROBIN

George Irving passed around a newspaper article on the Belleville



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The FAR-B Board of Directors met on December 14, 1993 in the auditorium to hear the presentation organized by Dr. K. Darwin Murrell on the proposed organizational structure of ARES. The members reconvened in Room 238 Conference Room, Bldg. 003. Those in attendance were John Moseman, William Bailey, Frank Longen, George Irving, Angus Hanson, Al Piringer, Morton Beroza, Pat Jackson, K. Darwin Murrell, and Ginger Hupfer. Guests at the meeting included Jim Seale.

The meeting was called to order at 1:55 by President, John Moseman. The minutes were approved as distributed.

SYMPOSIUM XIX REPORT - DR. JAMES SEALE

The Symposium received \$1,000 from Uncle Ben and \$25.00 from Shopper's Food Warehouse. The Committee also received 10 letters of declination. The Announcements are currently being printed, and approximately 6,094 labels have been ordered from the Federation of American Societies for Experimental Biology (FASEB) and The American Dietetic Association. The Committee is looking into setting up tents and tables on the grounds in front of Building 003 where the participants can eat their box lunches. There are signed contracts and deposits made to the Eyre bus line (for the banquet at the Smithsonian) and to Holiday Inn (for facilities for the reception and poster session). The next Symposium Committee meeting is December 16. Dr. Morton Beroza will be FAR-B's representative at that meeting.

AREA OFFICE REPORT - DR. K. DARWIN MURRELL

- Discussions continue with the Smithsonian Institute on the 2 year Master Plan to reserve some 2-300 acres for their interest.
- The American Type Culture Collection is still interested in locating here. It would house our National Animal Germplasm Collection Facility and much of our insect collection.
- We had our ARMPs review. The locality pay presents problems. The Secretary has asked us not to reduce personnel (possibly until the reorganization is complete).

TREASURER'S REPORT - MR. WILLIAM BAILEY

The report was approved as read. (copy enclosed)

Frank Longen mentioned the printer, typewriter, and fax machine should be turned over to ARS. Ginger will initiate action on this.

ROUND ROBIN

George Irving passed around a newspaper article on the Beltsville

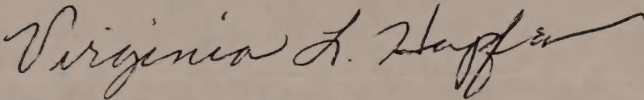
turkey. Dr. Irving will miss the January, February, and March meetings.

Al Piringer noted that he and Pat Jackson attended the ARS Hall of Fame Awards banquet.

There will be a December-January Newsletter.

There being no further business for the good of FAR-B, the meeting adjourned at 2:30 p.m.

Respectfully Submitted



Virginia L. Hupfer
Executive Secretary

* * * * * Next Meeting * * * * *

NEXT BOARD OF DIRECTOR'S MEETING IS TUESDAY, January 11, 1994, 1:00 p.m., Room 238, Building 003

